

Appl. No. 09/857,852
Amdt. dated January 26, 2004
Reply to Office Action of September 25, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-19 (canceled).

22. (New): A method of manufacturing a pipe comprising the steps of:

- (a) providing a mold assembly comprising a top ring mold and a base ring mold;
- (b) providing inner and outer preformed laminates in the form of tubes of a plastic material;
- (c) locating the inner and outer laminates in the mold assembly such that the inner and outer laminates extend between the top and base ring molds to define an annular space between the inner and outer laminates;
- (d) introducing a plastic concrete material in a flowable state into the annular space between the inner and outer laminates; and
- (e) allowing the plastic concrete to cure to form a core layer, thereby forming a laminated pipe comprising the inner and outer laminates and said core layer between said inner and outer laminates.

23. (New): The method according to claim 22, wherein the inner and outer laminates are formed by a process selected from the group consisting of filament winding, hand lay-up, and forming a sheet which is then rolled and bonded to form a tube.

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24. (New): The method according to claim 22, wherein the step of allowing the plastic concrete to cure includes the step of adjusting the mixture of the plastic concrete, such that lower layers of the plastic concrete cure when further layers of the plastic concrete are introduced.

25. (New): The method according to claim 22, wherein the step of locating the inner and outer laminates includes the step of forming the laminates from a synthetic resin.

26. (Original): The method according to claim 22, wherein the core layer comprises a resin selected from the group consisting of a thermosetting resin and a thermoplastic resin.

27. (New): The method according to claim 26, wherein the thermosetting resin is selected from the group consisting of a polyester resin, an epoxy resin, an acrylic resin, a vinylester resin, and a polyurethane resin.

28. (New): The method according to claim 26, wherein the thermoplastic resin is selected from the group consisting of a polyvinylchloride resin, a polypropylene resin, and a polyurethane resin.

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29. (New): The method according to claim 22, wherein the step of introducing the plastic concrete includes the step of placing a reinforcement into the annular space between the inner and outer laminates.

30. (New): The method according to claim 29, wherein the reinforcement is an inorganic material.

31. (New): The method according to claim 30, wherein the inorganic material is selected from the group consisting of silica sand, silica powder, calcium powder, gravel, stone chippings, ceramic powder, and ceramic chippings.

32. (New): A method according to claim 26, wherein the core layer further comprises a reinforcement.

33. (New): A method according to claim 32, wherein the reinforcement is selected from the group consisting of glass, metal, and plastic fibers.

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34. (New): A method according to claim 22, further comprising the steps of:

- (a) arranging a third molding member on the inner and outer laminates, to guide the plastic concrete into the space between the inner and outer laminates; and
- (b) introducing a plastic concrete between the inner and outer laminates via the third molding member.

35. (New): A method according to claim 34, further comprising the steps of:

- (a) removing the third molding member;
- (b) providing a fourth molding member on the top ring mold; and
- (c) introducing plastic concrete into the gap between the inner tube and the fourth molding member.